## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref#       | Hits  | Search Query  | DBs                             | Default<br>Operator | Plurals | Time Stamp          |
|------------|-------|---|---------------------------------|---------------------|---------|---------------------|
| L12        | 14    | (@rlaD<"20031010" @ad<"20031010") and ((registration\$1 register\$3) near4 (cable adj modem cm cms) with (capabilit\$3 support \$3 legacy proprietary)) and docsis and unicast not "broadcom.asn" | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2010/02/19<br>15:07 |
| L13        | 2     | (@rlaD<"20031010" @ad<"20031010") and ( (cable adj modem cm cms) with (capabilit\$3 support\$3 legacy proprietary)) and docsis and (unicast with ucd) not "broadcom.asn"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2010/02/19<br>15:10 |
| S1         | 1     | "20050078699"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/04/23<br>10:46 |
| S2         | 514   | 370/437.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/04/23<br>10:47 |
| S3         | 53687 | cable and modem and interface   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/04/23<br>10:48 |
| S4         | 52555 | cable and modem and interface<br>and data   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/04/23<br>10:49 |
| S5         | 1047  | cable and modem and interface<br>and data and cmts and docsis   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/04/23<br>10:49 |
| S6         | 826   | cable and modem and interface<br>and data and cmts and docsis<br>and (@rlad< "20030519" or<br>@ad< "20030519")  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/04/23<br>10:50 |
| <b>S</b> 7 | 819   | (cable adj modem) and interface and data and cmts and docsis and (@rlad<"20030519" or @ad<"20030519")   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/12/18<br>09:52 |
| S8         | 91    | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519")  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2007/04/23<br>10:57 |

| S9  | 0  | "10440325"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>10:53 |
|-----|----|--|---------------------------------|----|----|---------------------|
| S10 | 1  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and ((modulation or base or alpha) adj (rate or value)) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>10:59 |
| S11 | 1  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and ((modulation or base) adj (rate or value))          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>10:58 |
| S12 | 1  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and ((modulation or base) adj (rate or value))          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>10:59 |
| S13 | 0  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad< "20030519" or @ad< "20030519") and (modulation adj (rate or value))                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>11:00 |
| S14 | 2  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and ((base or value))                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>11:04 |
| S15 | 0  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and ((base or value) adj (rate or value)) and UCD       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>11:05 |
| S16 | 10 | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and UCD   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/24<br>18:06 |
| S17 | 1  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad< "20030519" or @ad< "20030519") and UCD and (computer adj program)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>15:11 |

| S18  | 1  | "20040233926"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>11:07 |
|------|----|--|---------------------------------|----|----|---------------------|
| S19  | 3  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and UCD and proprietary   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>11:28 |
| \$20 | 0  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and UCD and (non\$legacy or non \$proprietary)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>11:29 |
| S21  | 3  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and UCD and (legacy or proprietary)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>11:29 |
| S22  | 27 | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and (UCD or upstream channel descriptor) and (computer adj program)           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>15:14 |
| \$23 | 1  | (cable adj modem) and interface and data and cmts and (docsis\$compliant) and (@rlad<"20030519" or @ad<"20030519") and (UCD or (upstream adj channel adj descriptor)) and (computer adj program) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/23<br>15:15 |
| S24  | 22 | proprietary and (ucd or<br>(upstream near3 channel near3<br>descriptor)) and cmts  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/24<br>17:22 |
| S27  | 0  | ("2007/0058640").URPN.   | USPAT                           | OR | ON | 2007/04/24<br>17:53 |
| S28  | 0  | ("2007/0058640").URPN.   | USPAT                           | OR | ON | 2007/04/24<br>17:53 |
| S29  | 0  | ("2007/0058640").URPN.   | USPAT                           | OR | ON | 2007/04/24<br>17:53 |
| 830  | 0  | ("2007/0058640").URPN.   | USPAT                           | OR | ON | 2007/04/24<br>17:53 |
| S31  | 0  | ("2007/0058640").URPN.   | USPAT                           | OR | ON | 2007/04/24<br>17:53 |
| S32  | 1  | ("2004/0228277").URPN.   | USPAT                           | OR | ON | 2007/04/24<br>17:53 |

| S33 | 0  | ("2007/0050835").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>17:54 |
|-----|----|---|---------------------------------|----|----|---------------------|
| S34 | 0  | ("2007/0050835").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>17:54 |
| S35 | 0  | ("2007/0050835").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>17:54 |
| S36 | 0  | ("2005/0078699").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>17:54 |
| S37 | 5  | ("2002/0136203").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>17:54 |
| S38 | 5  | ("2002/0136203").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>17:54 |
| S39 | 0  | ("2003/0169735").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>18:00 |
| S40 | 0  | ("2007/0058640").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>18:00 |
| S41 | 0  | ("2004/0190544").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>18:00 |
| S42 | 2  | ("2004/0181811").URPN.  | USPAT                           | OR | ON | 2007/04/24<br>18:00 |
| S43 | 61 | docsis and (@rlad<"20030519"<br>or @ad<"20030519") and<br>(UCD near3 message)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/24<br>18:25 |
| S44 | 3  | docsis and (@rlad<"20030519"<br>or @ad<"20030519") and<br>(UCD near3 message) and<br>(modulat\$3 adj rate)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/24<br>18:33 |
| S45 | 8  | docsis and (@rlad<"20030519"<br>or @ad<"20030519") and<br>(UCD near3 message) and<br>((modulat\$3 or base) adj rate)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/24<br>18:39 |
| S46 | 0  | docsis and (@rlad<"20030519"<br>or @ad<"20030519") and<br>(UCD near3 message) and<br>((modulat\$3 or base) adj rate)<br>and (alpha adj value) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/24<br>18:40 |
| S47 | 8  | "6791995"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>10:16 |
| S48 | 6  | ("6791995").URPN.   | USPAT                           | OR | ON | 2007/04/25<br>10:42 |
| S49 | 6  | ("20010033611"  <br>"20020150173"  <br>"20020154620"  <br>"20020199202"   "6353490"  <br>"6459703").PN.                                       | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/04/25<br>10:43 |
| S50 | 6  | ("20010033611"  <br>"20020150173"  <br>"20020154620"  <br>"20020199202"   "6353490"  <br>"6459703").PN.                                       | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/04/25<br>10:43 |

| S51 | 0       | ("2006/0085833").URPN.  | USPAT                           | OR | ON | 2007/04/25<br>10:49 |
|-----|---------|---|---------------------------------|----|----|---------------------|
| 952 | 17      | ("20010046266"   "20020154620"   "6175560"   "6222819"   "6310865"   "6381211"   "6430169"   "6608838"   "6687238"   "6693853"   "6757334"   "6763244"   "6791995"   "6798759"   "6810029"   "7002945"   "7050419").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/04/25<br>10:54 |
| S53 | 1       | "20040008683"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>14:07 |
| S54 | 3324295 | alpha value   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>16:23 |
| S55 | 4791    | alpha adj value   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>17:15 |
| S56 | 0       | (alpha adj value) and cmst and cm   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>16:25 |
| S57 | 0       | (alpha adj value) and cmst  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>16:25 |
| S58 | 1       | (alpha adj value) and (base adj<br>rate) and (modulation adj rate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>16:26 |
| S59 | 35      | (base adj rate) and<br>(modulation adj rate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>16:27 |
| S60 | 19      | (base adj rate) and<br>(modulation adj rate) and<br>(@rlad<"20030519")  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>16:28 |
| S61 | 33      | (base adj rate) and<br>(modulation adj rate) and<br>(@rlad<"20030519" or<br>@ad<"20030519")   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>16:28 |
| S62 | 1       | "20040008683"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>17:08 |
| S63 | 4075    | (alpha adj value) and<br>(@rlad<"20030519" or<br>@ad<"20030519")  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>17:16 |
| S64 | 68      | (alpha adj value) and<br>(@rlad<"20030519" or<br>@ad<"20030519") and nyquist  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>17:17 |
| S65 | 64      | (alpha adj value) and<br>(@rlad<"20030519" or<br>@ad<"20030519") and nyquist<br>and data  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/04/25<br>17:18 |

| S66 | 1    | (alpha adj value) and<br>(@rlad<"20030519" or<br>@ad<"20030519") and nyquist<br>and docsis  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/25<br>17:18 |
|-----|------|---|---------------------------------|----|-----|---------------------|
| S67 | 2    | multicast adj UCD adj message   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>09:15 |
| S68 | 1716 | multicast adj message   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>09:15 |
| S69 | 19   | multicast adj message and cmts  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>09:15 |
| S70 | 19   | (multicast adj message) and cmts  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>09:15 |
| S71 | 15   | (multicast adj message) and cmts and (@rlad< "20030519" or @ad< "20030519")   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>09:17 |
| S72 | 17   | ((unicast or multicast) adj<br>message) and cmts and<br>(@rlad< "20030519" or<br>@ad< "20030519")   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>09:18 |
| S73 | 1    | "20040017830"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>11:16 |
| S74 | 1    | 10/668728   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/04/26<br>16:29 |
| S75 | 2    | (cable adj modem) and interface and data and cmts and docsis and (@rlad< "20030519" or @ad< "20030519") and (proprietary near5 parameter) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/12/18<br>09:55 |
| S76 | 0    | (cable adj modem) and interface and data and cmts and docsis and (@rlad< "20030519" or @ad< "20030519") and (proprietary adj5 parameter)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/12/18<br>10:00 |
| S77 | 3    | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary adj5 parameter)<br>and cmts and docsis  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | MON | 2007/12/18<br>10:06 |
| S78 | 5    | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary near5 parameter)<br>and cmts and docsis                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/12/18<br>10:08 |

| S79 | 5  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary near5 parameter)<br>and cmts and docsis and<br>bandwidth  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/18<br>10:08 |
|-----|----|---|---------------------------------|----|----|---------------------|
| S80 | 16 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary near5 (parameter<br>or channel)) and cmts and<br>docsis and bandwidth                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>16:30 |
| S81 | 12 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary near5 channel)<br>and cmts and docsis and<br>bandwidth  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>16:31 |
| S82 | 1  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary near5 (parameter<br>and channel)) and cmts and<br>docsis and bandwidth                              | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>17:43 |
| S83 | 3  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary near5 parameter)<br>and cmts and docsis and<br>bandwidth and registration                           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>17:45 |
| S84 | 3  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>((proprietary or legacy) near5<br>parameter) and cmts and<br>docsis and bandwidth and<br>registration            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>17:52 |
| S85 | 5  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>((proprietary or legacy) near5<br>parameter) and cmts and<br>docsis and bandwidth                                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>17:52 |
| S86 | 5  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>((proprietary or legacy) near5<br>parameter) and cmts and<br>docsis  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>18:06 |
| S87 | 23 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with (parameter or<br>channel)) and cmts and docsis<br>and bandwidth                                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>18:17 |
| S88 | 99 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>((proprietary or legacy or non<br>\$docsis) with (parameter or<br>channel)) and cmts and docsis<br>and bandwidth | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>18:21 |

| S89 | 70 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>((proprietary or legacy or non<br>\$docsis) near5 (parameter or<br>channel)) and cmts and docsis<br>and bandwidth | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>18:22 |
|-----|----|--|---------------------------------|----|----|---------------------|
| S90 | 5  | "7085287"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:00 |
| S91 | 12 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with (parameter or<br>channel)) and cmts and docsis<br>and bandwidth and registration                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:19 |
| S92 | 23 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with (parameter or<br>channel)) and cmts and docsis<br>and bandwidth                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:28 |
| S93 | 1  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with (parameter or<br>channel) with creat\$3) and<br>cmts and docsis and bandwidth                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:30 |
| S94 | 1  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with (parameter or<br>channel) same creat\$3) and<br>cmts and docsis and bandwidth                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:30 |
| S95 | 1  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with (parameter or<br>channel)) and cmts and docsis<br>and bandwidth and (creat\$3<br>near5 channel) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:31 |
| S96 | 16 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with (parameter or<br>channel)) and cmts and docsis<br>and bandwidth and creat\$3                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:31 |
| S97 | 1  | (@rlad<"20031010" or<br>@ad<"20031010") and<br>(proprietary with channel with<br>(new or creat\$3)) and cmts<br>and docsis                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>19:59 |
| S98 | 0  | (@rlad<"20031010" or<br>@ad<"20031010") and (no<br>\$docsis with channel with (new<br>or creat\$3)) and cmts and<br>docsis                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>20:00 |
| S99 | 9  | (@rlad<"20031010" or<br>@ad<"20031010") and (no<br>\$docsis with channel) and cmts<br>and docsis   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>20:00 |

| S100 | 2    | (@rlad<"20031010" or<br>@ad<"20031010") and (no<br>\$docsis near5 channel) and<br>cmts and docsis                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/07/11<br>20:14 |
|------|------|---|---------------------------------|----|----|---------------------|
| S101 | 2    | (@rlad<"20031010" or<br>@ad<"20031010") and (non<br>\$docsis near5 channel) and<br>cmts and docsis                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>11:42 |
| S102 | 138  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same proprietary)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:04 |
| S103 | 89   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>with proprietary)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:05 |
| S104 | 50   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>with proprietary) not broadcom                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:05 |
| S105 | 7307 | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>with proprietary) and<br>parameternot broadcom               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:06 |
| S106 | 37   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>with proprietary) and<br>parameter not broadcom              | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:06 |
| S107 | 0    | (@rlad<"20031010" or<br>@ad<"20031010") and ((docsis<br>with proprietary) same<br>parameter) not broadcom           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:06 |
| S108 | 37   | (@rlad<"20031010" or<br>@ad<"20031010") and ((docsis<br>with proprietary) and<br>parameter) not broadcom            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:06 |
| S109 | 0    | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>with (proprietary near5<br>parameter)) not broadcom          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:11 |
| S110 | 4    | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and (proprietary near5<br>parameter)) not broadcom           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:11 |
| S111 | 7    | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and (proprietary near5 (feature<br>parameter))) not broadcom | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:13 |

| S112 | 32 | ("20020006010"   "4654871"   "4715559"   "5018202"   "5267320"   "5336856"   "5502869"   "5511127"   "5526421"   "5526432"   "5583943"   "5638454"   "5692054"   "5715320"   "5733320"   "5781640"   "5815582"   "5828768"   "584647"   "5841978"   "5845236"   "5852667"   "5917919"   "5995632"   "6049615"   "6061456"   "6084971"   "6188770"   "6232994"   "6275592"   "6285773"   "6324573").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | O  | 2009/01/09<br>12:16 |
|------|----|--|---------------------------------|----|----|---------------------|
| S113 | 8  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis)<br>near5 (feature parameter)))<br>not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>12:17 |
| S114 | 7  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis)<br>near5 (feature parameter)))<br>and channel not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>13:36 |
| S115 | 7  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis)<br>near5 (feature parameter)))<br>and (link channel) not<br>broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>13:36 |
| S116 | 2  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis)<br>with (feature parameter))) and<br>(creat\$3 near3 (link channel))<br>not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>13:48 |
| S117 | 25 | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis)<br>same (feature parameter)))<br>and (creat\$3 near3 (link<br>channel)) not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/01/09<br>13:49 |
| S118 | 7  | (@rlad<"20031010" or<br>@ad<"20031010") and docsis<br>and (proprietary with<br>parameter) not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>12:11 |
| S119 | 9  | (@rlad<"20031010" or<br>@ad<"20031010") and docsis<br>and (proprietary with<br>parameter)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>12:19 |
| S120 | 10 | "7085287"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>12:47 |

| S121 | 25  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis)<br>same (feature parameter)))<br>and (creat\$3 near3 (link<br>channel)) and efficiency not<br>broadcom                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>14:03 |
|------|-----|--|---------------------------------|----|----|---------------------|
| S122 | 2   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis)<br>same (feature parameter)))<br>and (creat\$3 near3 (link<br>channel)) and (improv\$3 near5<br>efficiency) not broadcom | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>14:04 |
| S123 | 21  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>and ((proprietary non\$docsis<br>non\$legacy) same (feature<br>parameter))) and (creat\$3<br>near3 (link channel)) and cmts<br>not broadcom             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>14:31 |
| S124 | 33  | (@rlad<"20031010" or<br>@ad<"20031010") and docsis<br>and cmts and (proprietary non<br>\$docsis non\$legacy) and<br>(feature parameter) and (creat<br>\$3 near3 (link channel)) not<br>broadcom                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>14:52 |
| S125 | 59  | (@rlad<"20031010" or<br>@ad<"20031010") and cmts<br>and (proprietary non\$docsis<br>non\$legacy) and (creat\$3<br>near3 (link channel)) not<br>broadcom  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>15:47 |
| S126 | 3   | (@rlad<"20031010" or<br>@ad<"20031010") and cmts<br>and non\$docsis and (creat\$3<br>near3 (link channel)) not<br>broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>15:49 |
| S127 | 353 | (@rlad<"20031010" or<br>@ad<"20031010") and docsis<br>and (separate near5 channel)<br>not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:33 |
| S128 | 136 | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts) and (separate<br>near5 channel) not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:33 |
| S129 | 54  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(separate near5 channel) not<br>broadcom  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:33 |

| S130 | 29   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(registration near5 message)<br>not broadcom                        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:44 |
|------|------|--|---------------------------------|----|----|---------------------|
| S131 | 8142 | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(registration near5 message)<br>and parameternot broadcom           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:44 |
| S132 | 26   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(registration near5 message)<br>and parameter not broadcom          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:44 |
| S133 | 0    | (@rlad<"20031010" or<br>@ad<"20031010") and (non<br>\$docsis same cmts same cm)<br>and (registration near5<br>message) and parameter not<br>broadcom | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:52 |
| S134 | 2    | (@rlad<"20031010" or<br>@ad<"20031010") and non<br>\$docsis and (cmts same cm)<br>and (registration near5<br>message) and parameter not<br>broadcom  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/04<br>16:52 |
| S135 | 26   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(registration adj5 message)<br>and parameter not broadcom           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/05<br>15:14 |
| S136 | 2    | "11249536"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/06<br>10:56 |
| S137 | 8208 | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(registration near5 message)<br>and parameternot broadcom           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/16<br>23:09 |
| S138 | 26   | (@rlad< "20031010" or<br>@ad< "20031010") and (docsis<br>same cmts same cm) and<br>(registration near5 message)<br>and parameter not broadcom        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/16<br>23:09 |
| S139 | 0    | (@rlad<"20031010" or<br>@ad<"20031010") and (non<br>\$docsis same cmts same cm)<br>and (registration near5<br>message) and parameter not<br>broadcom | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/16<br>23:09 |

| S140 | 2   | (@rlad<"20031010" or<br>@ad<"20031010") and non<br>\$docsis and (cmts same cm)<br>and (registration near5<br>message) and parameter not<br>broadcom                             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/16<br>23:10 |
|------|-----|---|---------------------------------|----|----|---------------------|
| S141 | 26  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(registration adj5 message)<br>and parameter not broadcom                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/16<br>23:10 |
| S142 | 29  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>same cmts same cm) and<br>(registration near5 message)<br>not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/16<br>23:10 |
| S143 | 0   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>same ((modulation near3 rate)<br>and (base near3 rate) and<br>(alpha near3 vallue)) not<br>broadcom                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:49 |
| S144 | 0   | (@rlad< "20031010" or<br>@ad< "20031010") and<br>((modulation near3 rate) and<br>(base near3 rate) and (alpha<br>near3 vallue)) not broadcom                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:49 |
| S146 | 0   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>same ((modulation near3 rate)<br>and (base near3 rate) and<br>(alpha near3 value)) not<br>broadcom                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:49 |
| S147 | 7   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>(data adj over cable)) and<br>((modulation near3 rate) and<br>(base near3 rate) and (alpha<br>near3 value)) not broadcom | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:50 |
| S148 | 0   | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>and ((modulation near3 rate)<br>and (base near3 rate) and<br>(alpha near3 value)) not<br>broadcom                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:53 |
| S149 | 176 | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>and ((modulation near3 rate))<br>not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:53 |
| S150 | 13  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>and ((modulation adj rate)) not<br>broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:54 |

| S151 | 1  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>and ((modulation adj rate) and<br>(base adj rate)) not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>14:56 |
|------|----|---|---------------------------------|----|----|---------------------|
| S152 | 28 | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>and ((modulation adj rate) and<br>(base adj rate))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>15:12 |
| S153 | 49 | (@rlad<"20031010" or<br>@ad<"20031010") and<br>broadcom and rabenko   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>15:14 |
| S154 | 1  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis)<br>and ((modulation adj rate) and<br>(base adj rate)) not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/21<br>15:14 |
| S155 | 55 | (@rlad< "20031010" or<br>@ad< "20031010") and<br>((modulation near3 rate) and<br>(base near3 rate) and (alpha<br>near3 value)) not broadcom   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/22<br>14:46 |
| S156 | 0  | (@rlad<"20031010" or<br>@ad<"20031010") and (docsis<br>with proprietary) and (base adj<br>rate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/22<br>14:51 |
| S157 | 0  | (@rlad< "20031010" or<br>@ad< "20031010") and (docsis<br>with proprietary) and<br>(modulation adj rate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/01/22<br>14:51 |
| S158 | 28 | (@rlaD<"20031010"<br>@ad<"20031010") and<br>((registration\$1 register\$3)<br>near4 (cable adj modem cm<br>cms) with (capabilit\$3 support<br>\$3 legacy proprietary)) and<br>docsis not "broadcom.asn" | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2010/02/18<br>18:50 |

## 2/19/2010 6:28:53 PM

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